Appendix A. Sample SQL File Used to Buffer SQL

```
 1  #acta_start_transaction#
 2  drop table "TESTLL1"
 3  #acta_sql_separator#
 4  #acta_start_transaction#
 5  create table "TESTLL1" ( "EMPNO" integer  not null , "ENAME" varchar
 6  (10)  null , "JOB" varchar (9)  null , "MGR" decimal(4, 0)  null ,
 7  "HIREDATE" datetime  null , "SAL" integer  null , "COMM" integer  null ,
 8  "DEPTNO" integer  null ,  primary key ( "EMPNO") )
 9  #acta_sql_separator#
10  #acta_start_transaction#
11  delete from mats_emp_empty
12  #acta_sql_separator#
13  #acta_start_transaction#
14  if exists (select 1 from "TESTLL1" where "EMPNO" = 7369 ) update
15  "TESTLL1" set "EMPNO" = 7369, "ENAME" = 'Smith', "JOB" = 'Clerk', "MGR"
16  = 7902, "HIREDATE" = '1980-12-17 00:00:00.00', "SAL" = 800, "COMM" =
17  NULL, "DEPTNO" = 20 where "EMPNO" = 7369  else insert into "TESTLL1"
18  ("EMPNO", "ENAME", "JOB", "MGR", "HIREDATE", "SAL", "COMM", "DEPTNO")
19  values (7369, 'Smith', 'Clerk', 7902, '1980-12-17 00:00:00.00', 800,
20  NULL, 20)  if exists (select 1 from "TESTLL1" where "EMPNO" = 7499 )
21  update "TESTLL1" set "EMPNO" = 7499, "ENAME" = 'Allen', "JOB" =
22  'Salesman', "MGR" = 7698, "HIREDATE" = '1981-02-20 00:00:00.00', "SAL" =
23  1600, "COMM" = 300, "DEPTNO" = 30 where "EMPNO" = 7499  else insert into
24  "TESTLL1" ("EMPNO", "ENAME", "JOB", "MGR", "HIREDATE", "SAL", "COMM",
25  "DEPTNO")  values (7499, 'Allen', 'Salesman', 7698, '1981-02-20
26  00:00:00.00', 1600, 300, 30)  if exists (select 1 from "TESTLL1" where
27  "EMPNO" = 7521 ) update "TESTLL1" set "EMPNO" = 7521, "ENAME" = 'Ward',
28  "JOB" = 'Salesman', "MGR" = 7698, "HIREDATE" = '1981-02-22 00:00:00.00',
29  "SAL" = 1250, "COMM" = 500, "DEPTNO" = 30 where "EMPNO" = 7521  else
30  insert into "TESTLL1" ("EMPNO", "ENAME", "JOB", "MGR", "HIREDATE",
31  "SAL", "COMM", "DEPTNO")  values (7521, 'Ward', 'Salesman', 7698, '1981-
32  02-22 00:00:00.00', 1250, 500, 30)  if exists (select 1 from "TESTLL1"
33  where "EMPNO" = 7566 ) update "TESTLL1" set "EMPNO" = 7566, "ENAME" =
34  'Jones', "JOB" = 'Manager', "MGR" = 7839, "HIREDATE" = '1981-04-02
35  00:00:00.00', "SAL" = 2975, "COMM" = NULL, "DEPTNO" = 20 where "EMPNO" =
36  7566  else insert into "TESTLL1" ("EMPNO", "ENAME", "JOB", "MGR",
37  "HIREDATE", "SAL", "COMM", "DEPTNO")  values (7566, 'Jones', 'Manager',
38  7839, '1981-04-02 00:00:00.00', 2975, NULL, 20)  if exists (select 1
39  from "TESTLL1" where "EMPNO" = 7654 ) update "TESTLL1" set "EMPNO" =
40  7654, "ENAME" = 'Martin', "JOB" = 'Salesman', "MGR" = 7698, "HIREDATE" =
41  '1981-09-28 00:00:00.00', "SAL" = 1250, "COMM" = 1400, "DEPTNO" = 30
42  where "EMPNO" = 7654  else insert into "TESTLL1" ("EMPNO", "ENAME",
43  "JOB", "MGR", "HIREDATE", "SAL", "COMM", "DEPTNO")  values (7654,
44  'Martin', 'Salesman', 7698, '1981-09-28 00:00:00.00', 1250, 1400, 30)
45  if exists (select 1 from "TESTLL1" where "EMPNO" = 7698 ) update
46  "TESTLL1" set "EMPNO" = 7698, "ENAME" = 'Blake', "JOB" = 'Manager',
47  "MGR" = 7839, "HIREDATE" = '1981-05-01 00:00:00.00', "SAL" = 2850,
48  "COMM" = NULL, "DEPTNO" = 30 where "EMPNO" = 7698  else insert into
49  "TESTLL1" ("EMPNO", "ENAME", "JOB", "MGR", "HIREDATE", "SAL", "COMM",
50  "DEPTNO")  values (7698, 'Blake', 'Manager', 7839, '1981-05-01
51  00:00:00.00', 2850, NULL, 30)  if exists (select 1 from "TESTLL1" where
52  "EMPNO" = 7782 ) update "TESTLL1" set "EMPNO" = 7782, "ENAME" = 'Clark',
53  "JOB" = 'Manager', "MGR" = 7839, "HIREDATE" = '1981-06-09 00:00:00.00',
54  "SAL" = 2450, "COMM" = NULL, "DEPTNO" = 10 where "EMPNO" = 7782  else
55  insert into "TESTLL1" ("EMPNO", "ENAME", "JOB", "MGR", "HIREDATE",
56  "SAL", "COMM", "DEPTNO")  values (7782, 'Clark', 'Manager', 7839, '1981-
57  06-09 00:00:00.00', 2450, NULL, 10)  if exists (select 1 from "TESTLL1"
58  where "EMPNO" = 7788 ) update "TESTLL1" set "EMPNO" = 7788, "ENAME" =
59  'Scott', "JOB" = 'Analyst', "MGR" = 7566, "HIREDATE" = '1987-04-19
```

```
60  00:00:00.00', "SAL" = 3000, "COMM" = NULL, "DEPTNO" = 20 where "EMPNO" =
61  7788  else insert into "TESTLL1" ("EMPNO", "ENAME", "JOB", "MGR",
62  "HIREDATE", "SAL", "COMM", "DEPTNO")  values (7788, 'Scott', 'Analyst',
63  7566, '1987-04-19 00:00:00.00', 3000, NULL, 20)  if exists (select 1
64  from "TESTLL1" where "EMPNO" = 7844 ) update "TESTLL1" set "EMPNO" =
65  7844, "ENAME" = 'Turner', "JOB" = 'Salesman', "MGR" = 7698, "HIREDATE" =
66  '1981-09-08 00:00:00.00', "SAL" = 1500, "COMM" = NULL, "DEPTNO" = 30
67  where "EMPNO" = 7844  else insert into "TESTLL1" ("EMPNO", "ENAME",
68  "JOB", "MGR", "HIREDATE", "SAL", "COMM", "DEPTNO")  values (7844,
69  'Turner', 'Salesman', 7698, '1981-09-08 00:00:00.00', 1500, NULL, 30)
70  if exists (select 1 from "TESTLL1" where "EMPNO" = 7876 ) update
71  "TESTLL1" set "EMPNO" = 7876, "ENAME" = 'Adams', "JOB" = 'Clerk', "MGR"
72  = 7788, "HIREDATE" = '1987-05-23 00:00:00.00', "SAL" = 1100, "COMM" =
73  NULL, "DEPTNO" = 20 where "EMPNO" = 7876  else insert into "TESTLL1"
74  ("EMPNO", "ENAME", "JOB", "MGR", "HIREDATE", "SAL", "COMM", "DEPTNO")
75  values (7876, 'Adams', 'Clerk', 7788, '1987-05-23 00:00:00.00', 1100,
76  NULL, 20)
77  #acta_sql_separator#
78  #acta_start_transaction#
79  if exists (select 1 from "TESTLL1" where "EMPNO" = 7900 ) update
80  "TESTLL1" set "EMPNO" = 7900, "ENAME" = 'James', "JOB" = 'Clerk', "MGR"
81  = 7698, "HIREDATE" = '1981-12-03 00:00:00.00', "SAL" = 950, "COMM" =
82  NULL, "DEPTNO" = 30 where "EMPNO" = 7900  else insert into "TESTLL1"
83  ("EMPNO", "ENAME", "JOB", "MGR", "HIREDATE", "SAL", "COMM", "DEPTNO")
84  values (7900, 'James', 'Clerk', 7698, '1981-12-03 00:00:00.00', 950,
85  NULL, 30)  if exists (select 1 from "TESTLL1" where "EMPNO" = 7902 )
86  update "TESTLL1" set "EMPNO" = 7902, "ENAME" = 'Ford', "JOB" =
87  'Analyst', "MGR" = 7566, "HIREDATE" = '1981-12-03 00:00:00.00', "SAL" =
88  3000, "COMM" = NULL, "DEPTNO" = 20 where "EMPNO" = 7902  else insert
89  into "TESTLL1" ("EMPNO", "ENAME", "JOB", "MGR", "HIREDATE", "SAL",
90  "COMM", "DEPTNO")  values (7902, 'Ford', 'Analyst', 7566, '1981-12-03
91  00:00:00.00', 3000, NULL, 20)  if exists (select 1 from "TESTLL1" where
92  "EMPNO" = 7934 ) update "TESTLL1" set "EMPNO" = 7934, "ENAME" =
93  'Miller', "JOB" = 'Clerk', "MGR" = 7782, "HIREDATE" = '1982-01-23
94  00:00:00.00', "SAL" = 1300, "COMM" = NULL, "DEPTNO" = 10 where "EMPNO" =
95  7934  else insert into "TESTLL1" ("EMPNO", "ENAME", "JOB", "MGR",
96  "HIREDATE", "SAL", "COMM", "DEPTNO")  values (7934, 'Miller', 'Clerk',
97  7782, '1982-01-23 00:00:00.00', 1300, NULL, 10)
98  #acta_sql_separator#
```